

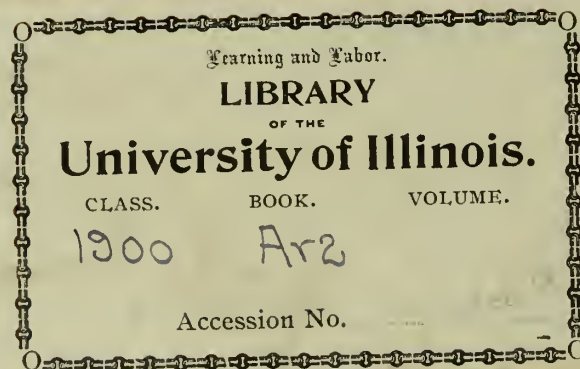
Architectural Thesis

Designs

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AN INDUSTRIAL BOARDING SCHOOL

BY

WILLIAM GRANT FOSTER

THESIS

FOR DEGREE OF BACHELOR OF SCIENCE

IN

ARCHITECTURE

IN THE

COLLEGE OF ENGINEERING

OF THE

UNIVERSITY OF ILLINOIS

PRESENTED JUNE, 1900

UNIVERSITY OF ILLINOIS

June 1, 1900.

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THIS IS TO CERTIFY THAT THE THESIS PREPARED UNDER MY SUPERVISION BY

William Grant Foster

ENTITLED An Industrial Boarding School

IS APPROVED BY ME AS FULFILLING THIS PART OF THE REQUIREMENTS FOR THE DEGREE

OF Bachelor of Science in Architecture.

K. E. Ricker

HEAD OF DEPARTMENT OF Architecture.

AN INDUSTRIAL BOARDING SCHOOL.

In the Eastern, and, to some extent, in the Western states, private schools have been established. Many people prefer to send their children to a private boarding school rather than to the public schools and to accomodate this class of people, private boarding schools have been founded. The object of the greater number of these schools is to furnish a thorough high school education as a preparation for College work. Quite a number also include a manual training department.

To afford ample space for a combination of the high school and Manual Training Departments is the purpose of this design. The school is supposed to be located in a country place, or in the suburbs of a city, where plenty of room is available. It is intended to accomodate about 100 boarding students and such others as may come from the immediate vicinity. Its object is to furnish a thorough preparation for college, or to give students a course of manual training which will better fit them for the practical work which comes later.

The ground area will comprise about fifty acres, the front part being occupied by the school buildings, while back of these will be a large campus and athletic park.

Three buildings contain the equipment necessary for carrying on the school: the central building is devoted to High School work, and contains class rooms, Physics and Chemistry laboratories, Library, Museum, Drawing rooms, study rooms for the Professors, and all minor rooms necessary to this department. In this are also located

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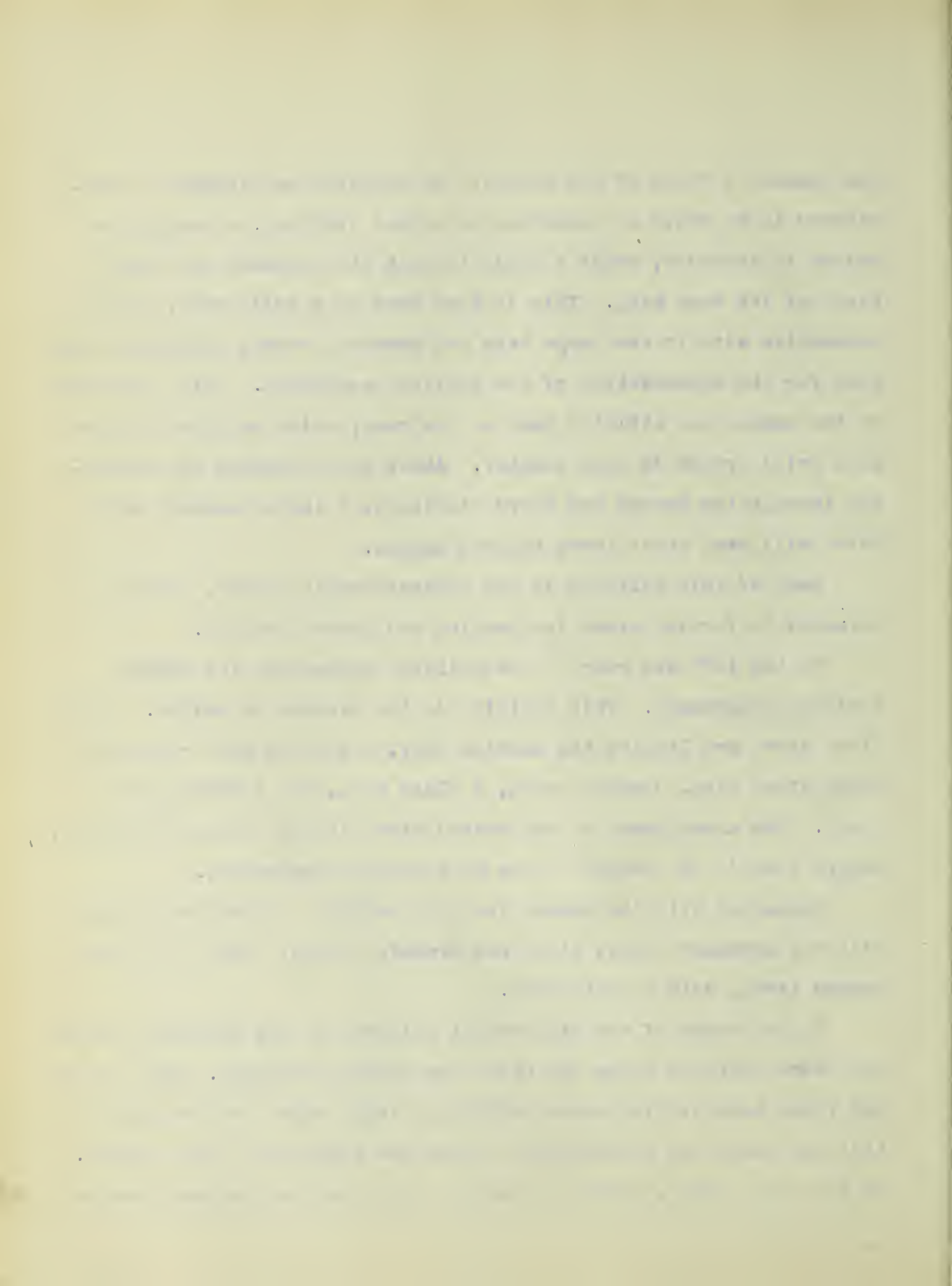
the general offices of the school. As physical development is considered to be fully as essential as mental training, a large gymnasium is included, which extends through the basement and first story of the rear wing. This is also used as a drill room, and in connection with it are large bath and dressing rooms, and also a gun room for the accomodation of the military equipment. This room opens on the campus and athletic park at the rear, which may also be used as a drill ground in good weather. Above the gymnasium and extending through the second and third stories is a large assembly hall which will seat about three hundred people.

Back of this building is the central heating plant, which is intended to furnish steam for heating and power purposes.

To the left and rear is the building containing the manual training department. This building is two stories in height. In the first story are located the machine shop, a private work room, tool room, store room, dressing room, a class room, and a Professor's study. The arrangement of the second story is the same as the first, except that it is devoted to the wood working department.

Connected with the Manual Training building is the Forge shop, with the necessary tool, store and dressing rooms. This is on the ground level, with a dirt floor.

To the right of the High School building is the Dormitory building which contains rooms for about one hundred students. Many of the bed rooms have sitting rooms adjoining, while others do not, and in this way rooms may be obtained to suit the finances of the student. On the first floor, besides students rooms, are the parlors, recep-



tion room, dining room, private dining room and all necessary rooms accessory to these. In the basemant are the laundry, kitchen, and servant rooms.

Connecting the rooms are large, well lighted corridors, making it unnecessary for students to go outside in passing from one building to another.

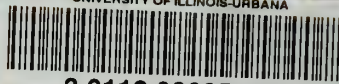
The material used in the buildings are brick, stone, and terra-cotta. The basement story and entrances are of stone, the body of the buildings are brick, and the cornices, reveals and mouldings around openings, etc., are of terra-cotta. The roof is of slate.

The design is represented by three plates of drawings. On one plate are the front and side elevations at a scale of five-sixty-fourth inch equals one foot; another plate contains the basement, first, second and third floor plans, one-thirty-second inch scale; the third plate is a perspective view of the group at one-eight scale.





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